

International application No. PCT/JP03/ 15933

| According to International Patent Classification (IPC) or to both national classification and IPC B. FIELDS SEARCHED Midinam decumentation system followed by classification systems for s | A. CLASSIFICATIONOF SUBJECT MATTER Int.Cl, B23K35/28, C22C21/02, F28F21/08 | | | | |
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| Minimum documentation searched (classification system followed by classification symbols) IntCl' #23x35/00-35/26, C22C21/00-22/18, 728P21/28 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched organizates. Putility Medal Garacteria 1912-1926 Application 1971-2004, Japanese Registered William (Line 2004) Application 1971-2004, Japanese Registered William (Line 2004) Application 1971-2004, Japanese Registered William (Line 2004) Application 1971-2004, Japanese Carette Contenting the William (Medal 1992-2004) Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) C. DOCUMENTS CONSIDERED TO BE RELEVANT Category* Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No. X | According to International Patent Classification (IPC) or to both national classification and IPC | | | | |
| Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Japaneses Utility Model Garsette 1922-1936. Japaneses Publication of Unexamined Utility Model Japaneses Utility Model Garsette 1922-1936. Japaneses Publication of Unexamined Utility Model Japanese Utility Model Garsette 1922-1936. Japaneses Publication of Unexamined Utility Model Japaneses Utility Model Garsette 1922-1936. Containing the Utility Model Garsette 1923-1936. Contempt Containing the Utility Model Garsette 1923-1936. Containing Cont | B. FIELDS SEARCHED | | | | |
| Japanase Utility Model Garacte 1922-1996, Japanase Publication of Unaxamined Utility Model Japanase Garacte 1942-2004, Japanase Garacte 1942-2004, Japanase Garacte 1942-2004, Japanase Garacte Containing the Utility Model 1995-2004 Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) C. DOCUMENTS CONSIDERED TO BE RELEVANT Category* Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No. X | P22V2E/00.2E/20 G22G21/00 21/10 P20P21/00 | | | | |
| C. DOCUMENTS CONSIDERED TO BE RELEVANT Category* Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No. X JP 8-90278 A (SUMITOMO KEIKINZOKU K.K.)1996.04.09 COLUMN 3 LINE48-COLUMN 4 LINE13 TABLE1 (NO FAMILY) X JP 7-88682 A (FURUKAWA DENKIKOGYO K.K.)1995.04.04 COLUMN 6 LINE 33-LINE 40 COLUMN 6 LINE 2-LINE 26 TABLE 1 (NO FAMILY) X US 5837388 A (THE FURUKAWA ELECTRIC CO.LITD) 1998.11.17 COLUMN 1 LINE 36-LINE 51 COLUMN 12 LINE 45-COLUMN 2 LINE 9 COLUMN 7 LINE 29-LINE 36 COLUMN 8 LINE 12-LINE 16 TABLE 1 Further documents are listed in the continuation of Box C. * Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance of the same plant in the application but cited to understand the principle or theory underlying the invention cannot be considered to involve an invention involve an invention involve an invention involve an invention at the considered to involve an invention cannot be considered to involve an invention involve an i | Japanese Utility Model Gazette 1922-1996, Japanese Publication of Unexamined Utility Model Applications 1971-2004, Japanese Registered Utility Model Gazette 1994-2004, Japanese Gazette | | | | |
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| R. R.) 1995.04.09 COLUMN3 LINE48-COLUMN 4 LINE13 TABLE1 (NO FAMILY) X JP 7-88682 A (FURUKAWA DENKIKOGYO K. K. K.) 1995.04.04 COLUMN 5 LINE 33-LINE 40 COLUMN 6 LINE 2-LINE 26 TABLE 1 (NO FAMILY) X US 5837388 A (THE FURUKAWA ELECTRIC CO.LTD) 1998.11.17 COLUMN 1 LINE 36-LINE 51 COLUMN 13 LINE 1-7 TABLE 26JP 9-47893 A COLUMN 7 LINE 29-LINE 36 COLUMN 7 LINE 29-LINE 36 COLUMN 8 LINE 12-LINE 16 TABLE1 Further documents are listed in the continuation of Box C. * Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance the claimed invention cannot be considered to be of particular relevance the claimed invention cannot be considered noted or cannot be considered to involve an inventive step when the document is taken alone are priority date cannot be considered to be of particular relevance; the claimed invention cannot be considered noted or cannot be considered to involve an inventive step when the document is taken alone are priority date cannot be considered to involve an inventive step when the document is taken alone to considered noted or cannot be considered to involve an inventive step when the document is taken alone to considered to involve an inventive step when the document is taken alone to considered to involve an inventive step when the document is obtained in the art such as the priority date claimed invention cannot be considered to involve an inventive step when the document is obtained in the art such as the considered to involve an inventive step when the document is taken alone to considered to involve an inventive step when the document is taken alone to considered to involve an inventive step when the document is taken alone to considered to involve an inventive step when the document is taken alone to considered novel or cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone. "P" document published prior to the international filing date but later | | Citation of document, with indication, where ap | propriate, of the relevant passages | Relevant to claim No. | |
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| * Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "B" earlier application or patent but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed Date of the actual completion of the international search Japan Patent Office *T" later document published after the international filing date or priority date and not in conflict with the application but cited to considered the principle or theory underlying the invention cannot be considered novel or cannot be considered novel or cannot be considered novel or cannot be considered to involve an inventive step when the document is combined with one or more other such document is combination being obvious to a person skilled in the art document member of the same patent family Date of mailing address of the ISA/JP Authorized officer Japan Patent Office TAKESHI OGAWA | X | CO.LTD) 1998.11.17 COLUMN 1 LINE 36-LINE 51 COLUMN 13 LINE 1-7 TABLE 2&JP 9-47893 A COLUMN 1 LINE 45-COLUMN 2 COLUMN 7 LINE 29-LINE 36 COLUMN 8 LINE 12-LINE 16 | | 1-25 | |
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